**Clinical Quality Measure Comparison**
**Selected Items**

| Item Name | Type | Organization |
|---|---|---|
| (CMS107v2, April 2013 EH) Stroke Education | Measure | Centers for Medicare & Medicaid Services (CMS) |
| (CMS107v3, April 2014 EH) Stroke Education | Measure | Centers for Medicare & Medicaid Services (CMS) |

- Identifying Attributes
- Population Criteria
- QDM Data Elements & Codes

| Metadata Attribute | (CMS107v2, April 2013 EH) Stroke Education | (CMS107v3, April 2014 EH) Stroke Education |
|---|---|---|
| ID: | 107 | 107 |
| Measure Version: | 2 | 3 |
| NQF: | 0440 | |
| GUID: | 217fdf0d-3d64-4720-9116-d5e5afa27f2c | 217fdf0d-3d64-4720-9116-d5e5afa27f2c |
| Domain: | Patient and Family Engagement | Patient and Family Engagement |
| Measurement Period: | January 1, 20xx through December 31, 20xx | January 1, 20xx through December 31, 20xx |
| Measure Steward: | Joint Commission | Joint Commission |
| Measure Developer: | Joint Commission | Joint Commission |
| Endorsed By: | National Quality Forum | None |
| Description: | Ischemic or hemorrhagic stroke patients or their caregivers who were given educational materials during the hospital stay addressing all of the following: activation of emergency medical system, need for follow-up after discharge, medications prescribed at discharge, risk factors for stroke, and warning signs and symptoms of stroke. | Ischemic or hemorrhagic stroke patients or their caregivers who were given educational materials during the hospital stay addressing all of the following: activation of emergency medical system, need for follow-up after discharge, medications prescribed at discharge, risk factors for stroke, and warning signs and symptoms of stroke. |
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| Metadata Attribute | (CMS107v2, April 2013 EH) Stroke Education | (CMS107v3, April 2014 EH) Stroke Education |
|---|---|---|
| Disclaimer: | None | These performance measures are not clinical guidelines and do not establish a standard of medical care, and have not been tested for all potential applications. The measures and specifications are provided without warranty. |
| Measure Scoring: | Proportion | Proportion |
| Measure Type: | Process | Process |
| Stratification: | None | None |
| Risk Adjustment: | None | None |
| Rate Aggregation: | None | None |
| Rationale: | There are many examples of how patient education programs for specific chronic conditions have increased healthful behaviors, improved health status, and/or decreased health care costs of their participants. Clinical practice guidelines include recommendations for patient and family education during hospitalization as well as information about resources for social support services. Some clinical trials have shown measurable benefits in patient and caregiver outcomes with the application of education and support strategies. The type of stroke experienced and the resulting outcomes will play a large role in determining not only the course of treatment but also what education will be required. Patient education should include information about the event (e.g., cause, treatment, and risk factors), the role of various medications or strategies, as well as desirable lifestyle modifications to reduce risk or improve outcomes. Family/caregivers will also need guidance in planning effective and realistic care strategies appropriate to the patient's prognosis and potential for rehabilitation. | There are many examples of how patient education programs for specific chronic conditions have increased healthful behaviors, improved health status, and/or decreased health care costs of their participants. Clinical practice guidelines include recommendations for patient and family education during hospitalization as well as information about resources for social support services. Some clinical trials have shown measurable benefits in patient and caregiver outcomes with the application of education and support strategies. The type of stroke experienced and the resulting outcomes will play a large role in determining not only the course of treatment but also what education will be required. Patient education should include information about the event (e.g., cause, treatment, and risk factors), the role of various medications or strategies, as well as desirable lifestyle modifications to reduce risk or improve outcomes. Family/caregivers will also need guidance in planning effective and realistic care strategies appropriate to the patient's prognosis and potential for rehabilitation. |
| Clinical Recommendation Statement: | Some clinical trials have shown measurable benefits in patient and caregiver outcomes with the application of education and support strategies. Patient education should include information about the event (e.g., cause, treatment, and risk factors), the role of various medications or strategies, | Some clinical trials have shown measurable benefits in patient and caregiver outcomes with the application of education and support strategies. Patient education should include information about the event (e.g., cause, treatment, and risk factors), the role of various |

| Metadata Attribute | (CMS107v2, April 2013 EH) Stroke Education | (CMS107v3, April 2014 EH) Stroke Education |
|---|---|---|
| | as well as desirable lifestyle modifications to reduce risk or improve outcomes. Family/caregivers will also need guidance in planning effective and realistic care strategies appropriate to the patient's prognosis and potential for rehabilitation. | medications or strategies, as well as desirable lifestyle modifications to reduce risk or improve outcomes. Family/caregivers will also need guidance in planning effective and realistic care strategies appropriate to the patient's prognosis and potential for rehabilitation. |
| ✅Improvement Notation: | An increase in rate | An increase in rate |
| ✅Definitions: | None | None |
| ⚠️Guidance: | The unit of measurement for this measure is an inpatient episode of care. Each distinct hospitalization should be reported, regardless of whether the same patient is admitted for inpatient care more than once during the measurement period. In addition, the eMeasure logic intends to represent events within or surrounding a single occurrence of an inpatient hospitalization. The facility location arrival datetime and facility location departure datetime are coupled with the emergency department visit value set. They intend to represent arrival date/time at the emergency department and the discharge date/time from the emergency department, respectively. Written information given to the patient is required to address each and every one of the educational components. These components are modeled in in the population criteria and data criteria as communication from provider to patient :activation of emergency medical system, follow-up after discharge, medications prescribed at discharge, risk factors and signs and symptoms, and are intended to be specific to stroke. The "Non-elective admissions" value set intends to capture all non-scheduled hospitalizations. This value set is a subset of the "Inpatient encounter" value set, excluding concepts that specifically refer to elective hospital admissions. Non-elective admissions include emergency, urgent and unplanned admissions, including patients admitted for observation. | The unit of measurement for this measure is an inpatient episode of care. Each distinct hospitalization should be reported, regardless of whether the same patient is admitted for inpatient care more than once during the measurement period. In addition, the eMeasure logic intends to represent events within or surrounding a single occurrence of an inpatient hospitalization. Written information given to the patient is required to address each and every one of the educational components. These components are modeled in the population criteria and data criteria as communication from provider to patient :activation of emergency medical system, follow-up after discharge, medications prescribed at discharge, risk factors and signs and symptoms, and are intended to be specific to stroke. The "Non-elective admissions" value set intends to capture all non-scheduled hospitalizations. This value set is a subset of the "Inpatient encounter" value set, excluding concepts that specifically refer to elective hospital admissions. Non-elective admissions include emergency, urgent and unplanned admissions, including patients admitted for observation. |
| ✅Transmission Format: | None | None |
| ⚠️Initial Patient Population: | Ischemic stroke or hemorrhagic stroke patients discharged home. | Patients age 18 and older discharged from inpatient care (non-elective admissions) with a principal diagnosis of |

| Metadata Attribute | (CMS107v2, April 2013 EH) Stroke Education | (CMS107v3, April 2014 EH) Stroke Education |
|---|---|---|
| | | ischemic or hemorrhagic stroke and a length of stay less or equal to 120 days. |
| ⊘ Denominator: | Ischemic stroke or hemorrhagic stroke patients discharged home. | Ischemic stroke or hemorrhagic stroke patients discharged to home, home care, or court/law enforcement. |
| ⊘ Denominator Exclusions: | Patients less than 18 years of age Patients who have a length of stay greater than 120 days Patients with comfort measures only documented Patients admitted for elective carotid intervention | Patients with comfort measures documented. |
| ⊘ Numerator: | Ischemic or hemorrhagic stroke patients with documentation that they or their caregivers were given educational material addressing all of the following: 1. Activation of emergency medical system 2. Follow-up after discharge 3. Medications prescribed at discharge 4. Risk factors for stroke 5. Warning signs and symptoms of stroke. | Ischemic or hemorrhagic stroke patients with documentation that they or their caregivers were given educational material addressing all of the following: 1. Activation of emergency medical system 2. Follow-up after discharge 3. Medications prescribed at discharge 4. Risk factors for stroke 5. Warning signs and symptoms of stroke. |
| ⊘ Numerator Exclusions: | Not Applicable | Not Applicable |
| ⊘ Denominator Exceptions: | None | None |
| ⊘ Measure Population: | Not Applicable | Not Applicable |
| ⊘ Measure Observations: | Not Applicable | Not Applicable |
| ⊘ Supplemental Data Elements: | For every patient evaluated by this measure also identify payer, race, ethnicity and sex. | For every patient evaluated by this measure also identify payer, race, ethnicity and sex. |
| ⊘ Available Date: | | |
| ⊘ Measurement Duration: | | |
| ⊘ Summary Calculation: | | |

| | |
|---|---|
| ⊟ (CMS107v2, April 2013 EH) Stroke Education | (CMS107v3, April 2014 EH) Stroke Education |
| ⊟ ⊘ Population criteria | ⊘ Population criteria |

| Metadata Attribute | (CMS107v2, April 2013 EH) Stroke Education | (CMS107v3, April 2014 EH) Stroke Education |
|---|---|---|

**Initial Patient Population**

AND:"Patient Characteristic Birthdate: birth date" >= 18 year(s) starts before start of "Occurrence A of Encounter, Performed: Non-Elective Inpatient Encounter"

AND:"Occurrence A of Encounter, Performed: Non-Elective Inpatient Encounter (length of stay <= 120 day(s))"

AND:"Occurrence A of Encounter, Performed: Non-Elective Inpatient Encounter (discharge datetime)" during "Measurement Period"

AND:

  OR: "Diagnosis, Active: Ischemic Stroke (ordinality: 'Principal Diagnosis')"

  OR: "Diagnosis, Active: Hemorrhagic Stroke (ordinality: 'Principal Diagnosis')"

starts during "Occurrence A of Encounter, Performed: Non-Elective Inpatient Encounter"

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**Initial Patient Population**

AND:"Patient Characteristic Birthdate: birth date" >= 18 year(s) starts before start of "Occurrence A of Encounter, Performed: Non-Elective Inpatient Encounter"

AND:"Occurrence A of Encounter, Performed: Non-Elective Inpatient Encounter (length of stay <= 120 day(s))"

AND:"Occurrence A of Encounter, Performed: Non-Elective Inpatient Encounter" ends during "Measurement Period"

AND:

  OR: "Diagnosis, Active: Ischemic Stroke (ordinality: 'Principal')"

  OR: "Diagnosis, Active: Hemorrhagic Stroke (ordinality: 'Principal')"

starts during "Occurrence A of Encounter, Performed: Non-Elective Inpatient Encounter"

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**Denominator**

AND:"Initial Patient Population"

AND:"Occurrence A of Encounter, Performed: Non-Elective Inpatient Encounter (discharge status: 'Discharge To Home Or Police Custody')"

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**Denominator**

AND:"Initial Patient Population"

AND:"Occurrence A of Encounter, Performed: Non-Elective Inpatient Encounter (discharge status: 'Discharge To Home Or Police Custody')"

---

**Denominator Exclusions**

AND:

  OR:

    AND: "Occurrence A of Encounter, Performed: Non-Elective Inpatient Encounter (admission datetime)" <= 1 hour(s) starts after end of "Occurrence A of Encounter, Performed: Emergency Department Visit (facility location departure datetime)"

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**Denominator Exclusions**

AND:

  OR:

    AND: "Occurrence A of Encounter, Performed: Emergency Department Visit" <= 1 hour(s) ends before start of "Occurrence A of Encounter, Performed: Non-Elective Inpatient Encounter"

| Metadata Attribute | (CMS107v2, April 2013 EH) Stroke Education | (CMS107v3, April 2014 EH) Stroke Education |
|---|---|---|

AND:

   OR: "Intervention, Order: Palliative Care"

   OR: "Intervention, Performed: Palliative Care"

   starts during "Occurrence A of Encounter, Performed: Emergency Department Visit"

OR:

   OR: "Intervention, Order: Palliative Care"

   OR: "Intervention, Performed: Palliative Care"

   starts during "Occurrence A of Encounter, Performed: Non-Elective Inpatient Encounter"

AND:

   OR: "Intervention, Order: Comfort Measures"

   OR: "Intervention, Performed: Comfort Measures"

   starts during "Occurrence A of Encounter, Performed: Emergency Department Visit"

OR:

   OR: "Intervention, Order: Comfort Measures"

   OR: "Intervention, Performed: Comfort Measures"

   starts during "Occurrence A of Encounter, Performed: Non-Elective Inpatient Encounter"

&#9888;Numerator

AND:

   OR: "Communication: From Provider to Patient not done: Patient Refusal" for "Written Information Given SNOMED-CT Value Set"

   OR:

      AND: "Communication: From Provider to Patient: Activation of Emergency Medical System Education"

      AND: "Communication: From Provider to Patient: Instructions for Follow Up After Discharge"

      AND: "Communication: From Provider to Patient: Prescribed Medications Education"

      AND: "Communication: From Provider to Patient: Risk Factors Education"

      AND: "Communication: From Provider to Patient: Warning Signs and Symptoms

&#9888;Numerator

AND:

   OR:

      AND: "Communication: From Provider to Patient: Activation of Emergency Medical System Education"

      AND: "Communication: From Provider to Patient: Instructions for Follow Up After Discharge"

      AND: "Communication: From Provider to Patient: Prescribed Medications Education"

      AND: "Communication: From Provider to Patient: Risk Factors Education"

      AND: "Communication: From Provider to Patient: Warning Signs and Symptoms Education"

      AND: "Communication: From Provider to Patient: Written Information Given"

| Metadata Attribute | (CMS107v2, April 2013 EH) Stroke Education | (CMS107v3, April 2014 EH) Stroke Education |
|---|---|---|
| | Education" | |
| | AND: "Communication: From Provider to Patient: Written Information Given" | OR: "Communication: From Patient to Provider not done: Patient Refusal" for "Written Information Given " |
| | during "Occurrence A of Encounter, Performed: Non-Elective Inpatient Encounter" | during "Occurrence A of Encounter, Performed: Non-Elective Inpatient Encounter" |
| Denominator Exceptions | Denominator Exceptions | Denominator Exceptions |
| | None | None |
| Reporting Stratification | Reporting Stratification | Reporting Stratification |
| None | None | None |
| | - | - |

**(CMS107v2, April 2013 EH) Stroke Education**

| | |
|---|---|
| Name: | Attribute: Discharge status: Discharge To Home Or Police Custody |
| Category: | |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.82 |
| Value Set Version: | 20130401 |

**SNOMEDCT** - *Version: 2013-01*

10161009 306689006 306690002 306691003 306692005 306705005 65537008 86400002

Quality Data Element:
*Attribute: Ordinality: Principal*
not present in this measure.

- -

**(CMS107v3, April 2014 EH) Stroke Education**

| | |
|---|---|
| Name: | Attribute: Discharge status: Discharge To Home Or Police Custody |
| Category: | |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.82 |
| Value Set Version: | 20140401 |

**SNOMEDCT** - *Version: 2013-09*

10161009 306689006 306690002 306691003 306692005 306705005 65537008 86400002

| | |
|---|---|
| Name: | Attribute: Ordinality: Principal |
| Category: | |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.14 |
| Value Set Version: | 20140401 |

**SNOMEDCT** - *Version: 2013-09*

63161005

**(CMS107v2, April 2013 EH) Stroke Education**

| | |
|---|---|
| ⊕Name: | Attribute: Ordinality: Principal Diagnosis |
| ⊕Category: | |
| ⊕Value Set OID: | 2.16.840.1.113883.3.117.2.7.1.14 |
| ⊕Value Set Version: | 20130401 |

**SNOMEDCT** - *Version: 2013-01*

63161005
Quality Data Element:
*Communication: From Patient to Provider not done: Patient Refusal*
not present in this measure.


- -


Quality Data Element:
*Communication: From Patient to Provider not done: Patient Refusal*
not present in this measure.


- -
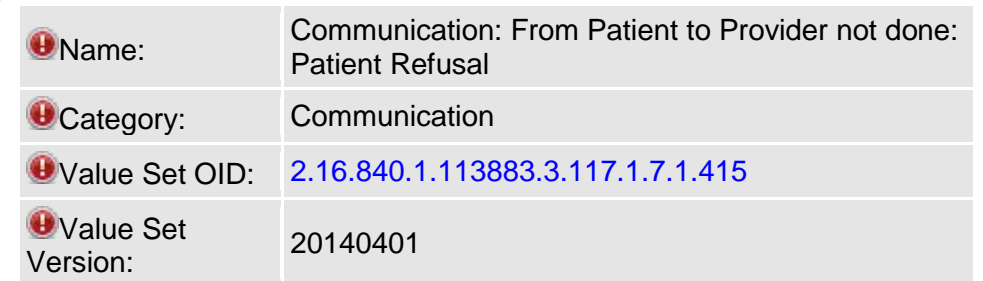

Quality Data Element:
*Communication: From Patient to Provider: Written Information Given*

**(CMS107v3, April 2014 EH) Stroke Education**


Quality Data Element:
*Attribute: Ordinality: Principal Diagnosis*
not present in this measure.


- -

| | |
|---|---|
| ⊕Name: | Communication: From Patient to Provider not done: Patient Refusal |
| ⊕Category: | Communication |
| ⊕Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.415 |
| ⊕Value Set Version: | 20140401 |

**SNOMEDCT** - *Version: 2013-09*

413318004

| | |
|---|---|
| ⊕Name: | Communication: From Patient to Provider not done: Patient Refusal |
| ⊕Category: | Communication |
| ⊕Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.93 |
| ⊕Value Set Version: | 20140401 |

**SNOMEDCT** - *Version: 2013-09*

105480006 182890002 182895007 182896008 182897004 182898009
182900006 182901005 182903008 183944003 183945002 183947005
183948000 275936005 371138003 385648002 406149000 413312003
416432009 443390004

| | |
|---|---|
| ⊕Name: | Communication: From Patient to Provider: Written Information Given |

**(CMS107v2, April 2013 EH)** Stroke Education

not present in this measure.

- -

| Name: | Communication: From Provider to Patient not done: Patient Refusal |
|---|---|
| Category: | Communication |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.93 |
| Value Set Version: | 20130401 |

**SNOMEDCT** - *Version: 2013-01*

105480006 182890002 182895007 182896008 182897004 182898009
182900006 182901005 182903008 183944003 183945002 183947005
183948000 275936005 371138003 385648002 406149000 413312003
416432009 443390004

| Name: | Communication: From Provider to Patient: Activation of Emergency Medical System Education |
|---|---|
| Category: | Communication |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.377 |
| Value Set Version: | 20130401 |

**SNOMEDCT** - *Version: 2013-01*

385867000

**SNOMEDCT** - *Version: 2013-03*

428551000124102

**(CMS107v3, April 2014 EH)** Stroke Education

| Category: | Communication |
|---|---|
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.415 |
| Value Set Version: | 20140401 |

**SNOMEDCT** - *Version: 2013-09*

413318004

Quality Data Element:
*Communication: From Provider to Patient not done: Patient Refusal*
not present in this measure.

- -

| Name: | Communication: From Provider to Patient: Activation of Emergency Medical System Education |
|---|---|
| Category: | Communication |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.377 |
| Value Set Version: | 20140401 |

**SNOMEDCT** - *Version: 2013-09*

385867000 428551000124102

**(CMS107v2, April 2013 EH) Stroke Education**

| | |
|---|---|
| Name: | Communication: From Provider to Patient: Instructions for Follow Up After Discharge |
| Category: | Communication |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.378 |
| Value Set Version: | 20130401 |

**SNOMEDCT** - *Version: 2013-01*

61342007

**SNOMEDCT** - *Version: 2013-03*

428521000124106

| | |
|---|---|
| Name: | Communication: From Provider to Patient: Prescribed Medications Education |
| Category: | Communication |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.379 |
| Value Set Version: | 20130401 |

**SNOMEDCT** - *Version: 2013-01*

386465007 423076000

| | |
|---|---|
| Name: | Communication: From Provider to Patient: Risk Factors Education |
| Category: | Communication |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.380 |
| Value Set Version: | 20130401 |

**SNOMEDCT** - *Version: 2013-01*

415233007

**(CMS107v3, April 2014 EH) Stroke Education**

| | |
|---|---|
| Name: | Communication: From Provider to Patient: Instructions for Follow Up After Discharge |
| Category: | Communication |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.378 |
| Value Set Version: | 20140401 |

**SNOMEDCT** - *Version: 2013-09*

428521000124106 61342007

| | |
|---|---|
| Name: | Communication: From Provider to Patient: Prescribed Medications Education |
| Category: | Communication |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.379 |
| Value Set Version: | 20140401 |

**SNOMEDCT** - *Version: 2013-09*

386465007 423076000

| | |
|---|---|
| Name: | Communication: From Provider to Patient: Risk Factors Education |
| Category: | Communication |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.380 |
| Value Set Version: | 20140401 |

**SNOMEDCT** - *Version: 2013-09*

415233007

**(CMS107v2, April 2013 EH) Stroke Education**

| | |
|---|---|
| Name: | Communication: From Provider to Patient: Warning Signs and Symptoms Education |
| Category: | Communication |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.381 |
| Value Set Version: | 20130401 |

**SNOMEDCT** - *Version: 2013-01*

223413005

| | |
|---|---|
| Name: | Communication: From Provider to Patient: Written Information Given |
| Category: | Communication |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.415 |
| Value Set Version: | 20130401 |

**SNOMEDCT** - *Version: 2013-01*

413318004

| | |
|---|---|
| Name: | Diagnosis, Active: Hemorrhagic Stroke |
| Category: | Diagnosis |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.212 |
| Value Set Version: | 20130401 |

**ICD10CM** - *Version: 2013*

I60.00 I60.01 I60.02 I60.10 I60.11 I60.12 I60.20 I60.21 I60.22 I60.30 I60.31 I60.32 I60.4 I60.50 I60.51 I60.52 I60.6 I60.7 I60.8 I60.9 I61.0 I61.1 I61.2 I61.3 I61.4 I61.5 I61.6 I61.8 I61.9

**ICD9CM** - *Version: 2013*

430 431

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**(CMS107v3, April 2014 EH) Stroke Education**

| | |
|---|---|
| Name: | Communication: From Provider to Patient: Warning Signs and Symptoms Education |
| Category: | Communication |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.381 |
| Value Set Version: | 20140401 |

**SNOMEDCT** - *Version: 2013-09*

223413005

| | |
|---|---|
| Name: | Communication: From Provider to Patient: Written Information Given |
| Category: | Communication |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.415 |
| Value Set Version: | 20140401 |

**SNOMEDCT** - *Version: 2013-09*

413318004

| | |
|---|---|
| Name: | Diagnosis, Active: Hemorrhagic Stroke |
| Category: | Diagnosis |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.212 |
| Value Set Version: | 20140401 |

**ICD10CM** - *Version: 2014*

I60.00 I60.01 I60.02 I60.10 I60.11 I60.12 I60.20 I60.21 I60.22 I60.30 I60.31 I60.32 I60.4 I60.50 I60.51 I60.52 I60.6 I60.7 I60.8 I60.9 I61.0 I61.1 I61.2 I61.3 I61.4 I61.5 I61.6 I61.8 I61.9

**ICD9CM** - *Version: 2013*

430 431

**(CMS107v2, April 2013 EH) Stroke Education**
**SNOMEDCT** - *Version: 2013-01*

195155004 195160000 195165005 195167002 195168007 195169004
20908003 230706003 230707007 230708002 230709005 230710000
230711001 230712008 23276006 270907008 274100004 276277008
276278003 276280009 276281008 276282001 276283006 276284000
276285004 276286003 276722003 28318001 28837001 42429001
425957003 449020009 49422009 52201006 73020009 75038005
7713009 95454007

| | | |
|---|---|---|
| ✓ Name: | Diagnosis, Active: Ischemic Stroke | |
| ✓ Category: | Diagnosis | |
| ✓ Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.247 | |
| ⚠ Value Set Version: | 20130401 | |

**ICD10CM** - *Version: 2013*

I63.00 I63.011 I63.012 I63.019 I63.02 I63.031 I63.032 I63.039 I63.09
I63.10 I63.111 I63.112 I63.119 I63.12 I63.131 I63.132 I63.139 I63.19
I63.20 I63.211 I63.212 I63.219 I63.22 I63.231 I63.232 I63.239 I63.29
I63.30 I63.311 I63.312 I63.319 I63.321 I63.322 I63.329 I63.331 I63.332
I63.339 I63.341 I63.342 I63.349 I63.39 I63.40 I63.411 I63.412 I63.419
I63.421 I63.422 I63.429 I63.431 I63.432 I63.439 I63.441 I63.442 I63.449
I63.49 I63.50 I63.511 I63.512 I63.519 I63.521 I63.522 I63.529 I63.531
I63.532 I63.539 I63.541 I63.542 I63.549 I63.59 I63.6 I63.8 I63.9 I65.21
I65.22 I65.23 I65.29 I66.01 I66.02 I66.03 I66.09 I66.11 I66.12 I66.13
I66.19 I66.21 I66.22 I66.23 I66.29 I66.3 I67.89

**ICD9CM** - *Version: 2013*

433.01 433.10 433.11 433.21 433.31 433.81 433.91 434.00 434.01
434.11 434.91 436

**SNOMEDCT** - *Version: 2013-01*

111297002 116288000 195185009 195186005 195189003 195190007
195212005 195213000 195216008 195217004 195230003 230690007
230691006 230692004 230693009 230694003 230695002 230696001
230698000 230699008 230700009 233964008 288723005 300920004

**(CMS107v3, April 2014 EH) Stroke Education**
**SNOMEDCT** - *Version: 2013-09*

195155004 195160000 195165005 195167002 195168007 195169004
20908003 230706003 230707007 230708002 230709005 230710000
230711001 230712008 23276006 270907008 274100004 276277008
276278003 276280009 276281008 276282001 276283006 276284000
276285004 276286003 276722003 28318001 28837001 42429001
425957003 449020009 49422009 52201006 73020009 75038005
7713009 95454007

| | | |
|---|---|---|
| ✓ Name: | Diagnosis, Active: Ischemic Stroke | |
| ✓ Category: | Diagnosis | |
| ✓ Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.247 | |
| ⚠ Value Set Version: | 20140401 | |

**ICD10CM** - *Version: 2014*

I63.00 I63.011 I63.012 I63.019 I63.02 I63.031 I63.032 I63.039 I63.09
I63.10 I63.111 I63.112 I63.119 I63.12 I63.131 I63.132 I63.139 I63.19
I63.20 I63.211 I63.212 I63.219 I63.22 I63.231 I63.232 I63.239 I63.29
I63.30 I63.311 I63.312 I63.319 I63.321 I63.322 I63.329 I63.331 I63.332
I63.339 I63.341 I63.342 I63.349 I63.39 I63.40 I63.411 I63.412 I63.419
I63.421 I63.422 I63.429 I63.431 I63.432 I63.439 I63.441 I63.442 I63.449
I63.49 I63.50 I63.511 I63.512 I63.519 I63.521 I63.522 I63.529 I63.531
I63.532 I63.539 I63.541 I63.542 I63.549 I63.59 I63.6 I63.8 I63.9 I65.21
I65.22 I65.23 I65.29 I66.01 I66.02 I66.03 I66.09 I66.11 I66.12 I66.13
I66.19 I66.21 I66.22 I66.23 I66.29 I66.3 I67.89

**ICD9CM** - *Version: 2013*

433.01 433.10 433.11 433.21 433.31 433.81 433.91 434.00 434.01
434.11 434.91 436

**SNOMEDCT** - *Version: 2013-09*

111297002 116288000 195185009 195186005 195189003 195190007
195212005 195213000 195216008 195217004 195230003 230690007
230691006 230692004 230693009 230694003 230695002 230696001
230698000 230699008 230700009 233964008 288723005 300920004

**(CMS107v2, April 2013 EH) Stroke Education**
64586002 71444005

| | |
|---|---|
| Name: | Encounter, Performed: Emergency Department Visit |
| Category: | Encounter |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.292 |
| Value Set Version: | 20130401 |

**SNOMEDCT** - *Version: 2013-01*

4525004

| | |
|---|---|
| Name: | Encounter, Performed: Non-Elective Inpatient Encounter |
| Category: | Encounter |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.424 |
| Value Set Version: | 20130401 |

**SNOMEDCT** - *Version: 2013-01*

183452005 32485007
10378005 18083007 183481006 19951005 2252009 25986004
266938001 2876009 305337004 305338009 305339001 305340004
305341000 308540004 405614004 417005 4563007 48183000
50699000 52748007 63551005 70755000 73607007 74857009
78680009

Quality Data Element:
*Intervention, Order: Comfort Measures*
not present in this measure.

*- -*

**(CMS107v3, April 2014 EH) Stroke Education**
64586002 71444005

| | |
|---|---|
| Name: | Encounter, Performed: Emergency Department Visit |
| Category: | Encounter |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.292 |
| Value Set Version: | 20140401 |

**SNOMEDCT** - *Version: 2013-09*

4525004

| | |
|---|---|
| Name: | Encounter, Performed: Non-Elective Inpatient Encounter |
| Category: | Encounter |
| Value Set OID: | 2.16.840.1.113883.3.117.1.7.1.424 |
| Value Set Version: | 20140401 |

**SNOMEDCT** - *Version: 2013-09*

183452005 32485007

| | |
|---|---|
| Name: | Intervention, Order: Comfort Measures |
| Category: | Intervention |
| Value Set OID: | 1.3.6.1.4.1.33895.1.3.0.45 |
| Value Set Version: | 20140401 |

**SNOMEDCT** - *Version: 2013-09*

**(CMS107v2, April 2013 EH)** Stroke Education

**(CMS107v3, April 2014 EH)** Stroke Education

133918004 182964004 385736008 385763009

| Name: | Intervention, Order: Comfort Measures |
|---|---|
| Category: | Intervention |
| Value Set OID: | 1.3.6.1.4.1.33895.1.3.0.45 |
| Value Set Version: | 20140401 |

**SNOMEDCT** - *Version: 2013-09*

133918004 182964004 385736008 385763009

Quality Data Element:
*Intervention, Order: Comfort Measures*
not present in this measure.

- -

Quality Data Element:
*Intervention, Order: Palliative Care*
not present in this measure.

| Name: | Intervention, Order: Palliative Care |
|---|---|
| Category: | Intervention |
| Value Set OID: | 2.16.840.1.113883.3.526.2.1076 |
| Value Set Version: | 20130401 |

**SNOMEDCT** - *Version: 2013-01*

103735009 385763009

Quality Data Element:
*Intervention, Performed: Comfort Measures*
not present in this measure.

- -

| Name: | Intervention, Performed: Comfort Measures |
|---|---|
| Category: | Intervention |
| Value Set OID: | 1.3.6.1.4.1.33895.1.3.0.45 |
| Value Set Version: | 20140401 |

**SNOMEDCT** - *Version: 2013-09*

133918004 182964004 385736008 385763009

| Name: | Intervention, Performed: Comfort Measures |
|---|---|
| Category: | Intervention |
| Value Set OID: | 1.3.6.1.4.1.33895.1.3.0.45 |

- -

Quality Data Element:
*Intervention, Performed: Comfort Measures*
not present in this measure.

**(CMS107v2, April 2013 EH)** **Stroke Education**

**(CMS107v3, April 2014 EH)** **Stroke Education**

| | |
|---|---|
| ⚠ Value Set Version: | 20140401 |

**SNOMEDCT** - *Version: 2013-09*

133918004 182964004 385736008 385763009

Quality Data Element:
*Intervention, Performed: Palliative Care*
not present in this measure.

*- -*

| | |
|---|---|
| ⚠ Name: | Intervention, Performed: Palliative Care |
| ⚠ Category: | Intervention |
| ⚠ Value Set OID: | 2.16.840.1.113883.3.526.2.1076 |
| ⚠ Value Set Version: | 20130401 |

**SNOMEDCT** - *Version: 2013-01*

103735009 385763009

| | | | | |
|---|---|---|---|---|
| ✅ Name: | Patient Characteristic Birthdate: birth date | | ✅ Name: | Patient Characteristic Birthdate: birth date |
| ✅ Category: | Characteristics (patient or provider) | | ✅ Category: | Characteristics (patient or provider) |
| ✅ Value Set OID: | 2.16.840.1.113883.3.560.100.4 | | ✅ Value Set OID: | 2.16.840.1.113883.3.560.100.4 |
| ⚠ Value Set Version: | 20130401 | | ⚠ Value Set Version: | 20140401 |

**LOINC** - *Version: 2.42*

21112-8

**LOINC** - *Version: 2.46*

21112-8

| | | | | |
|---|---|---|---|---|
| ✅ Name: | Patient Characteristic Ethnicity: Ethnicity | | ✅ Name: | Patient Characteristic Ethnicity: Ethnicity |
| ✅ Category: | Characteristics (patient or provider) | | ✅ Category: | Characteristics (patient or provider) |
| ✅ Value Set OID: | 2.16.840.1.114222.4.11.837 | | ✅ Value Set OID: | 2.16.840.1.114222.4.11.837 |
| ⚠ Value Set Version: | 20121025 | | ⚠ Value Set Version: | 20140401 |

**CDCREC** - *Version: 1.0*

2135-2 2186-5

**CDCREC** - *Version: 1.0*

2135-2 2186-5

**(CMS107v2, April 2013 EH)** Stroke Education

| | |
|---|---|
| ☑ Name: | Patient Characteristic Payer: Payer |
| ☑ Category: | Characteristics (patient or provider) |
| ☑ Value Set OID: | 2.16.840.1.114222.4.11.3591 |
| ⚠ Value Set Version: | 20121025 |

**SOP** - *Version: 5.0*

1 11 111 112 113 119 12 121 122 123 129 19 2 21 211 212 213 219 22 23 24 25 29 3 31 311 3111 3112 3113 3114 3115 3116 3119 312 3121 3122 3123 313 32 321 3211 3212 32121 32122 32123 32124 32125 32126 322 3221 3222 3223 3229 33 331 332 333 334 34 341 342 343 349 35 36 361 362 369 37 371 3711 3712 3713 372 379 38 381 3811 3812 3813 3819 382 389 39 4 41 42 43 44 5 51 511 512 513 514 515 519 52 521 522 523 529 53 54 55 59 6 61 611 612 613 619 62 63 64 69 7 71 72 73 79 8 81 82 821 822 823 83 84 85 89 9 91 92 93 94 95 951 953 954 959 96 98 99 9999

| | |
|---|---|
| ☑ Name: | Patient Characteristic Race: Race |
| ☑ Category: | Characteristics (patient or provider) |
| ☑ Value Set OID: | 2.16.840.1.114222.4.11.836 |
| ⚠ Value Set Version: | 20121025 |

**CDCREC** - *Version: 1.0*

1002-5 2028-9 2054-5 2076-8 2106-3 2131-1

| | |
|---|---|
| ☑ Name: | Patient Characteristic Sex: ONC Administrative Sex |
| ☑ Category: | Characteristics (patient or provider) |
| ☑ Value Set OID: | 2.16.840.1.113762.1.4.1 |
| ⚠ Value Set Version: | 20121025 |

**AdministrativeSex** - *Version: HL7V2.5*

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**(CMS107v3, April 2014 EH)** Stroke Education

| | |
|---|---|
| ☑ Name: | Patient Characteristic Payer: Payer |
| ☑ Category: | Characteristics (patient or provider) |
| ☑ Value Set OID: | 2.16.840.1.114222.4.11.3591 |
| ⚠ Value Set Version: | 20140401 |

**SOP** - *Version: 5.0*

1 11 111 112 113 119 12 121 122 123 129 19 2 21 211 212 213 219 22 23 24 25 29 3 31 311 3111 3112 3113 3114 3115 3116 3119 312 3121 3122 3123 313 32 321 3211 3212 32121 32122 32123 32124 32125 32126 322 3221 3222 3223 3229 33 331 332 333 334 34 341 342 343 349 35 36 361 362 369 37 371 3711 3712 3713 372 379 38 381 3811 3812 3813 3819 382 389 39 4 41 42 43 44 5 51 511 512 513 514 515 519 52 521 522 523 529 53 54 55 59 6 61 611 612 613 619 62 63 64 69 7 71 72 73 79 8 81 82 821 822 823 83 84 85 89 9 91 92 93 94 95 951 953 954 959 96 98 99 9999

| | |
|---|---|
| ☑ Name: | Patient Characteristic Race: Race |
| ☑ Category: | Characteristics (patient or provider) |
| ☑ Value Set OID: | 2.16.840.1.114222.4.11.836 |
| ⚠ Value Set Version: | 20140401 |

**CDCREC** - *Version: 1.0*

1002-5 2028-9 2054-5 2076-8 2106-3 2131-1

| | |
|---|---|
| ☑ Name: | Patient Characteristic Sex: ONC Administrative Sex |
| ☑ Category: | Characteristics (patient or provider) |
| ☑ Value Set OID: | 2.16.840.1.113762.1.4.1 |
| ⚠ Value Set Version: | 20140401 |

**AdministrativeSex** - *Version: HL7V2.5*

**(CMS107v2, April 2013 EH)** Stroke Education
F M U

**(CMS107v3, April 2014 EH)** Stroke Education
F M U